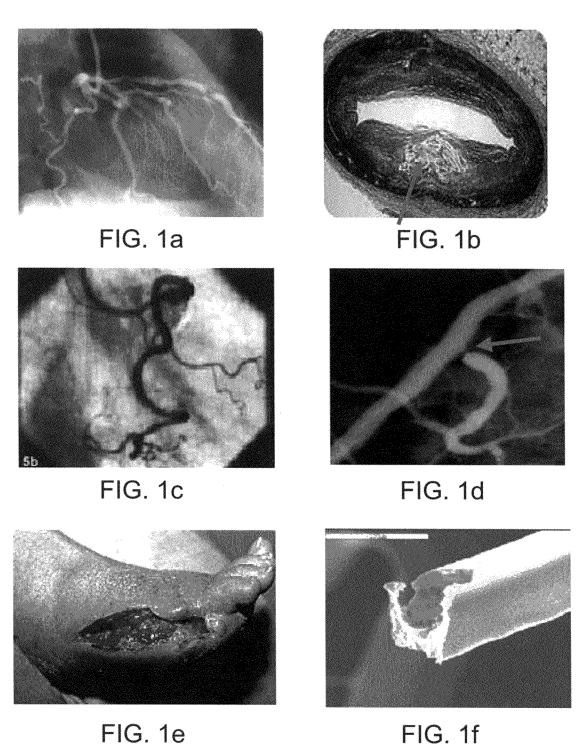


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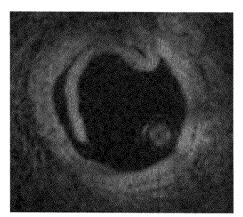


FIG. 1G

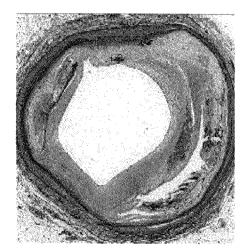


FIG. 1H

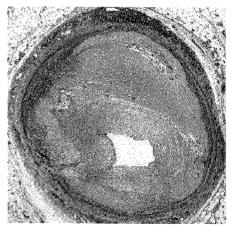
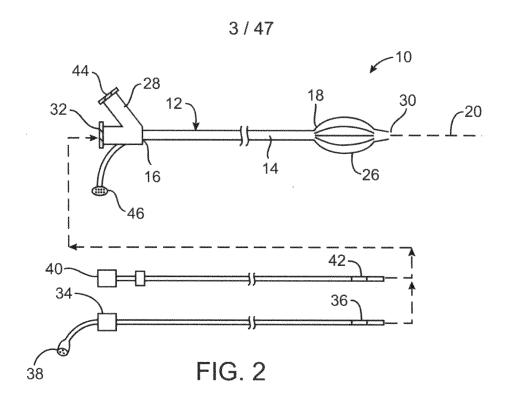


FIG. 1I

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 3 of 47

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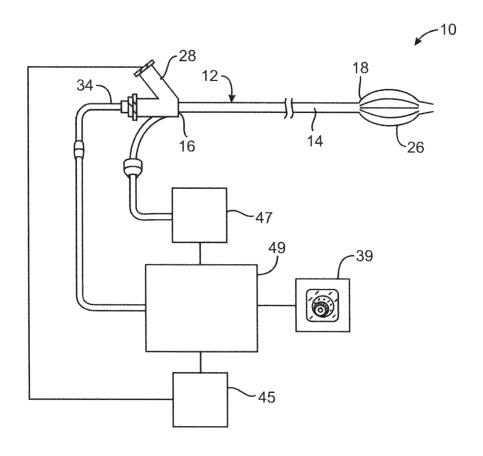
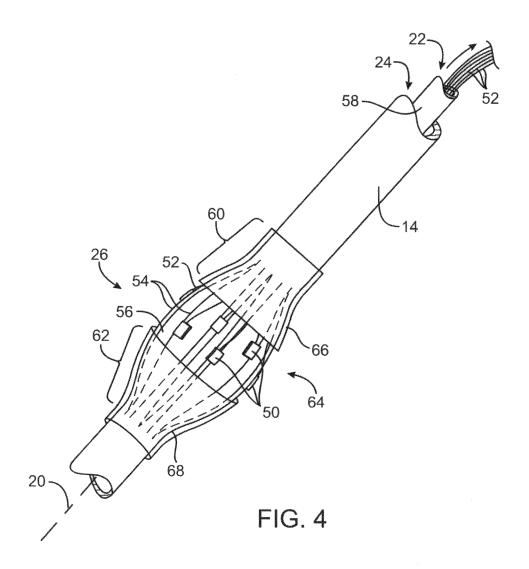
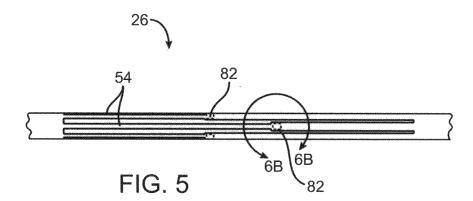
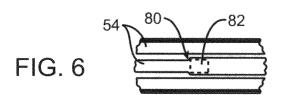


FIG. 3







Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 6 of 47

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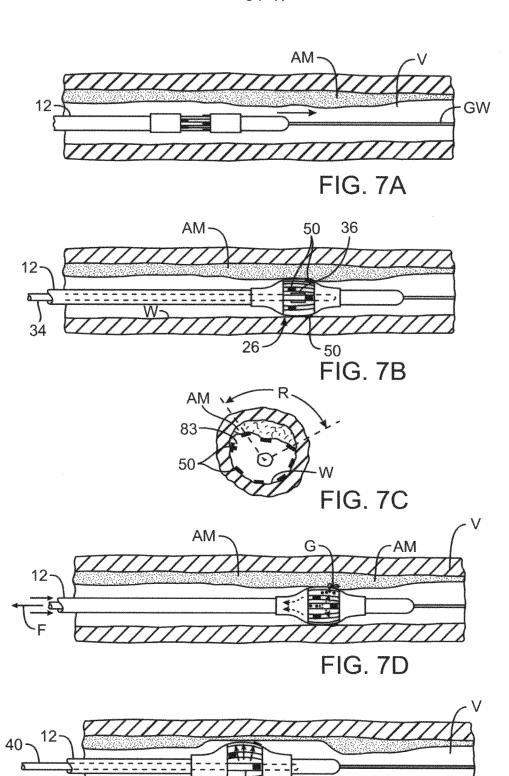


FIG. 7E

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 7 of 47

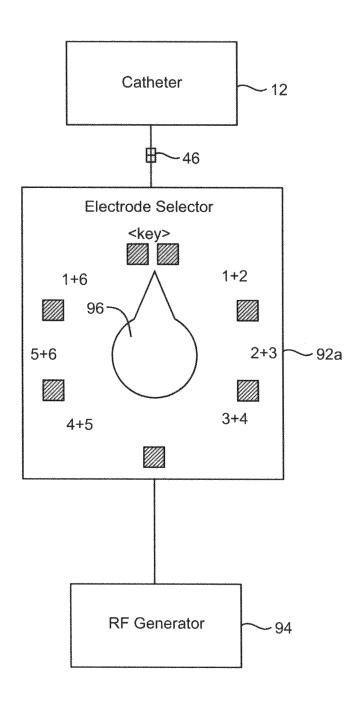


FIG. 8

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 8 of 47

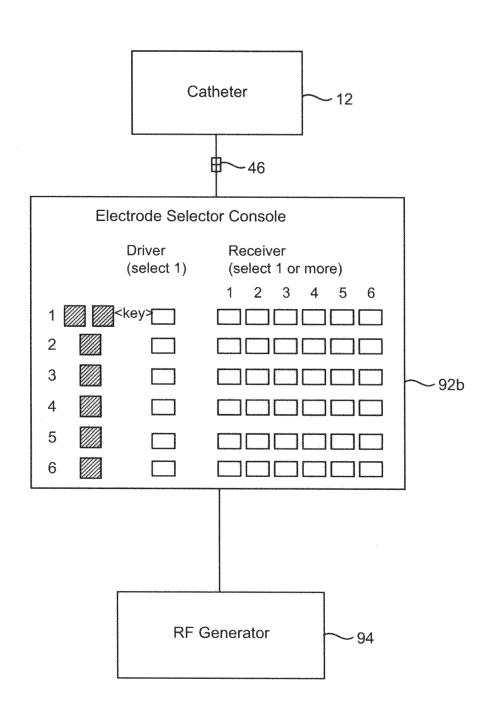


FIG. 9

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tissue and/or Structure

Replacement Drawing Sheet 9 of 47

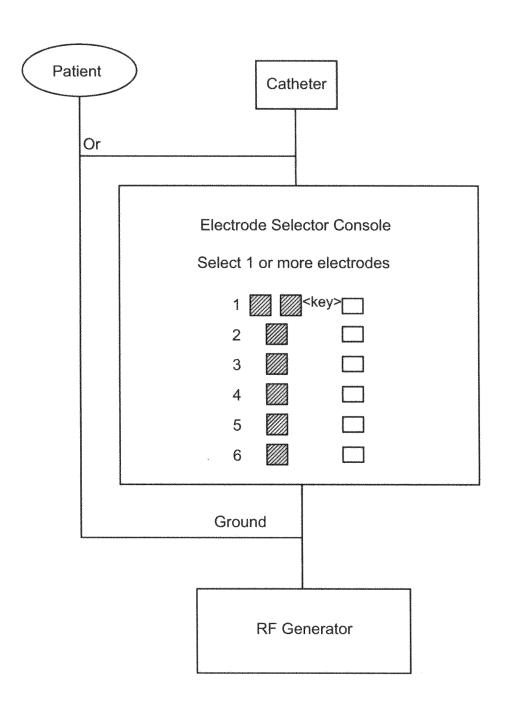


FIG. 10

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 10 of 47

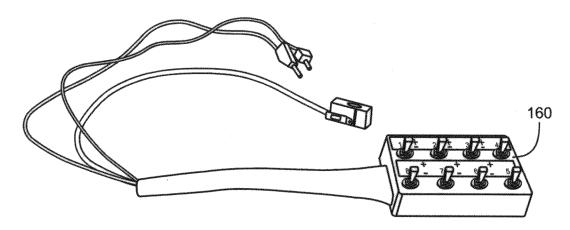


FIG. 11

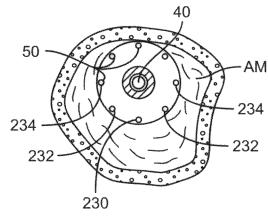
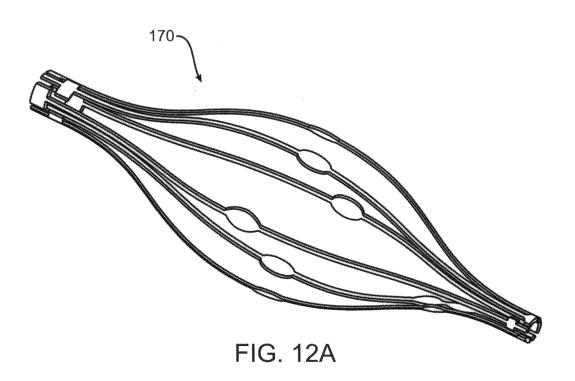
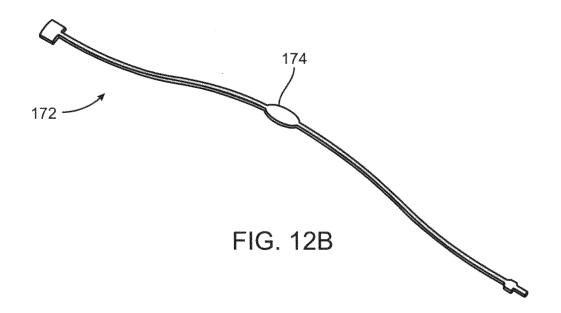


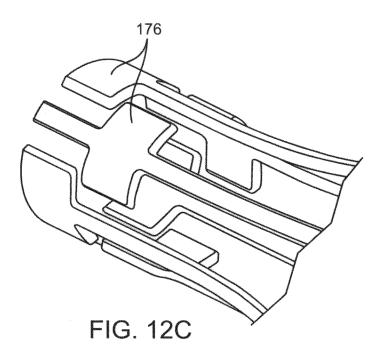
FIG. 13

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 11 of 47





Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 12 of 47



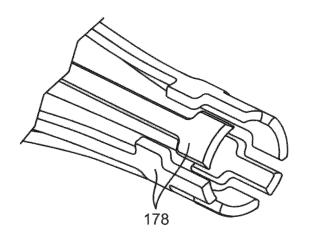
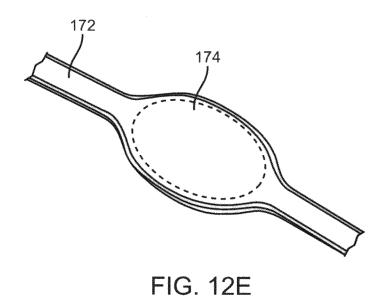


FIG. 12D

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 13 of 47



170 174 182 182

FIG. 12F

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 14 of 47

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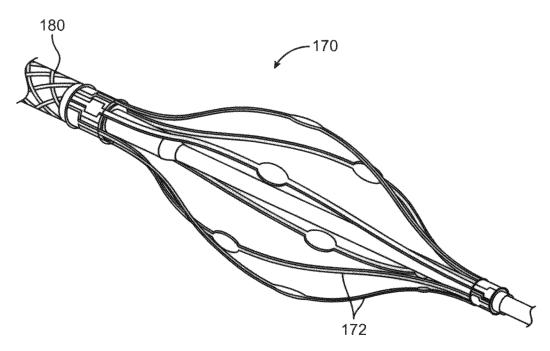


FIG. 12G

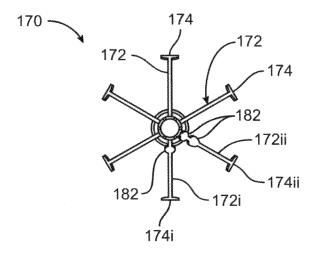
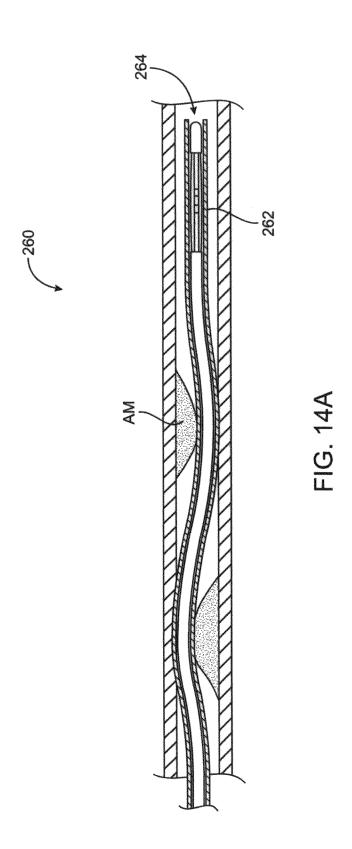
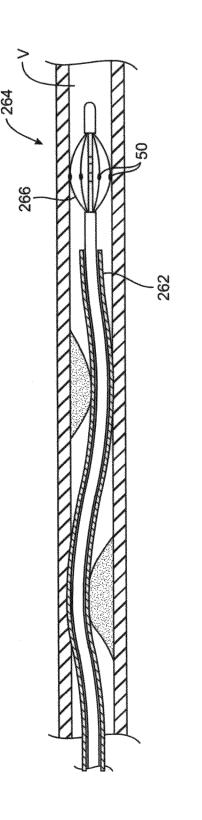


FIG. 12H

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 15 of 47

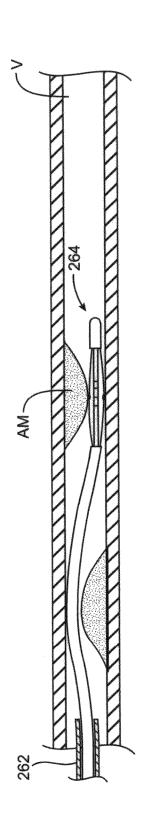


Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tissues and/or Structure Replacement Drawing Sheet 16 of 47



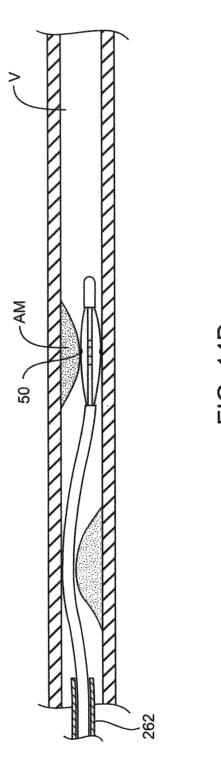
Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 17 of 47

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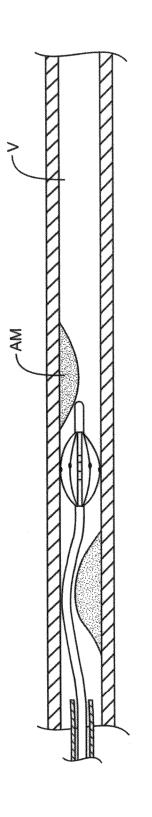


16.14C

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 18 of 47



Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 19 of 47



Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 20 of 47

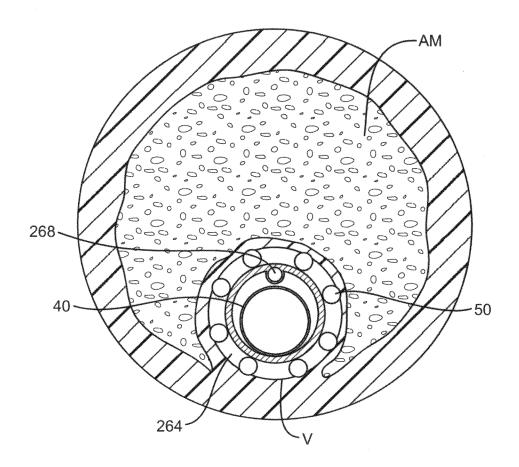


FIG. 14F

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 21 of 47

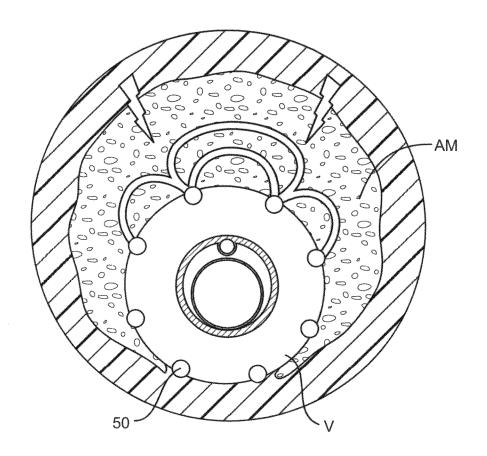


FIG. 14G

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 22 of 47

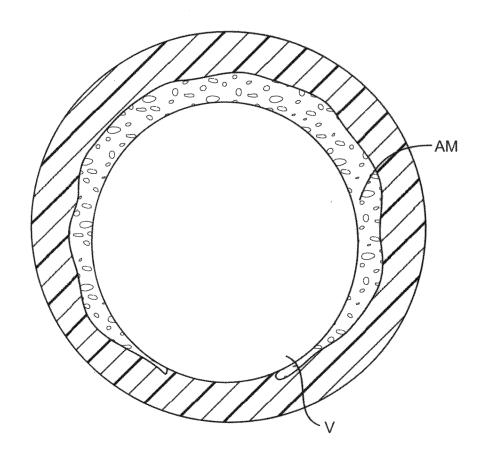


FIG. 14H

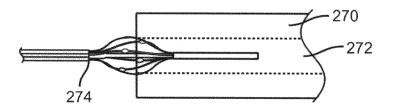


FIG. 15A

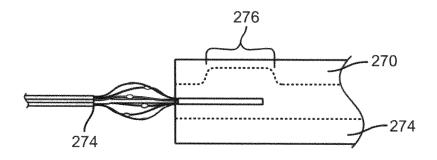
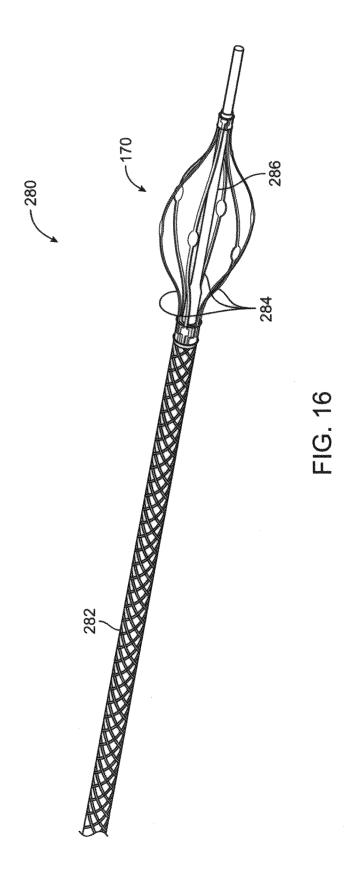


FIG. 15B



Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tissues and/or Structure Replacement Drawing Sheet 25 of 47

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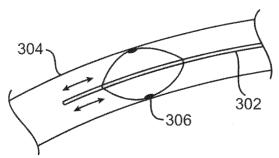


FIG. 17A

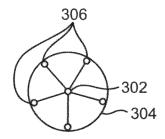


FIG. 17B

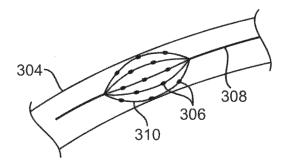
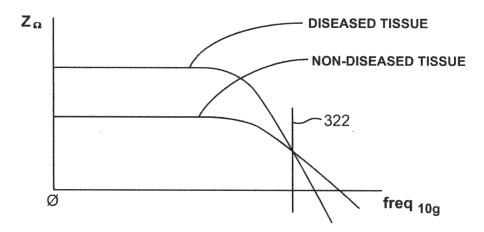


FIG. 17C

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tissues and/or Structure Replacement Drawing Sheet 26 of 47

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INPEDANCE OF DISEASED AND NON-DISEASED TISSUE

FIG. 18

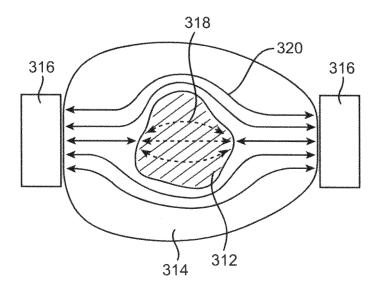


FIG. 19

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure
Replacement Drawing Sheet 27 of 47

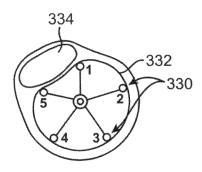
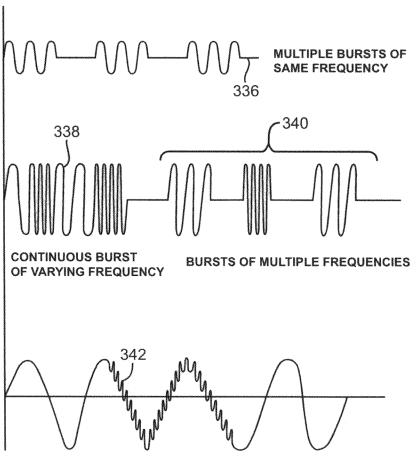


FIG. 20



MULTIPLE FREQUENCIES SUPERIMPOSED IN BURSTS

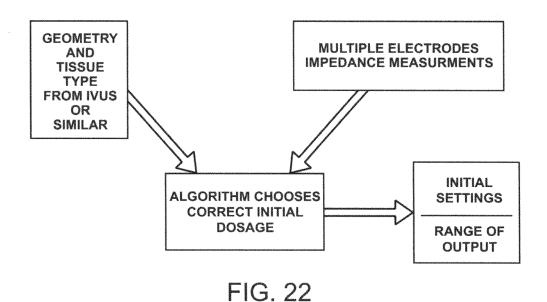
FIG. 21

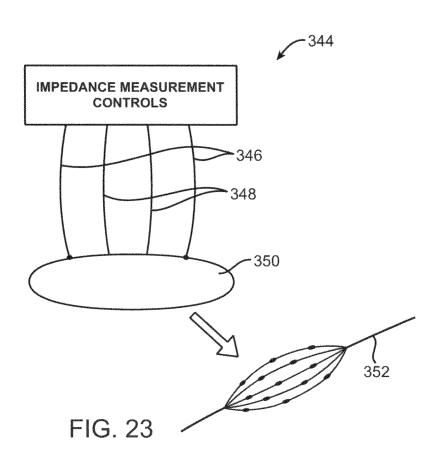
Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective

Treatment of Atheroma and Other Target Tisues and/or Structure

Replacement Drawing Sheet 28 of 47

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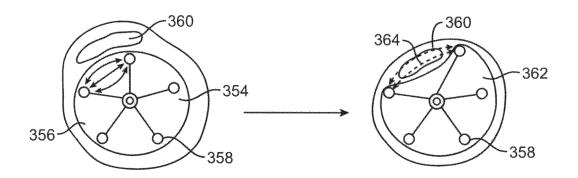
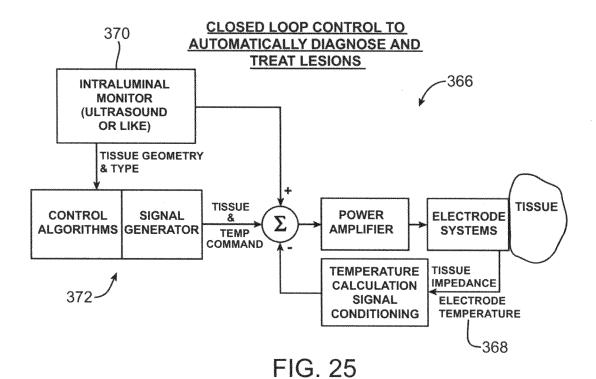
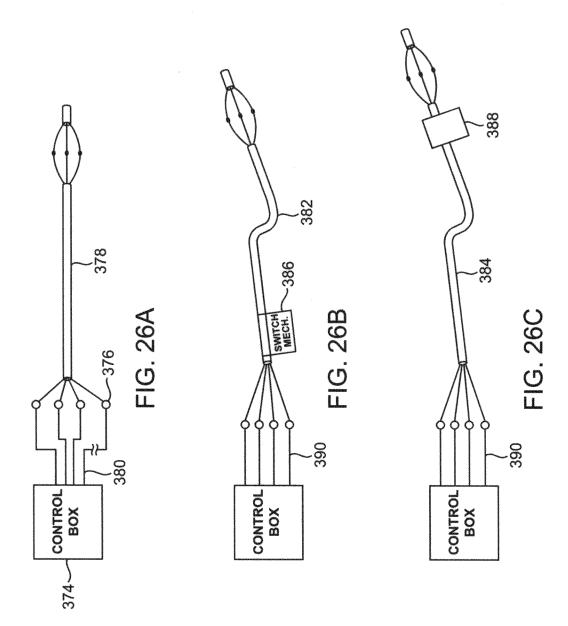


FIG. 24



Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 30 of 47



Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure
Replacement Drawing Sheet 31 of 47

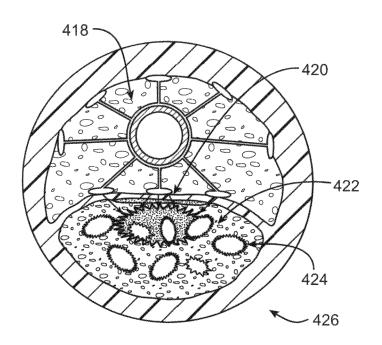


FIG. 27

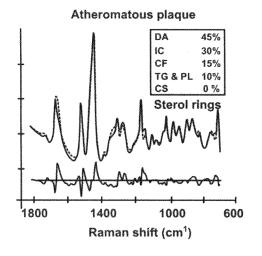


FIG. 27A

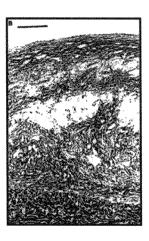
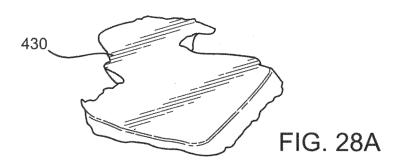
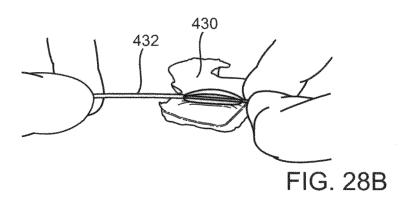


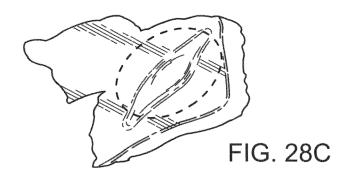
FIG. 27B FIG. 27C



Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tissues and/or Structure Replacement Drawing Sheet 32 of 47







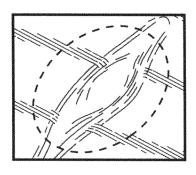
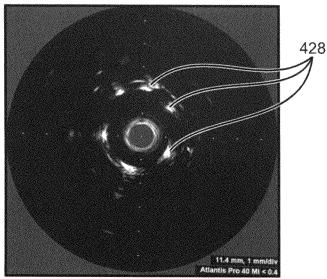


FIG. 28D



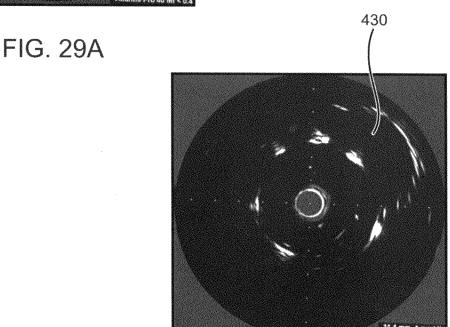
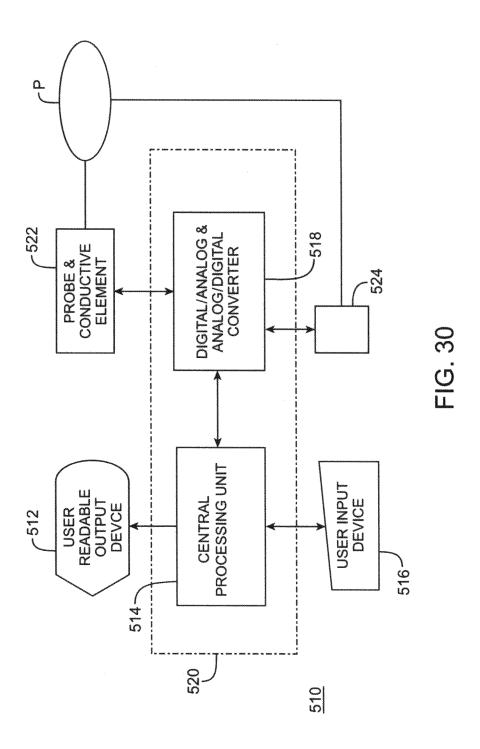
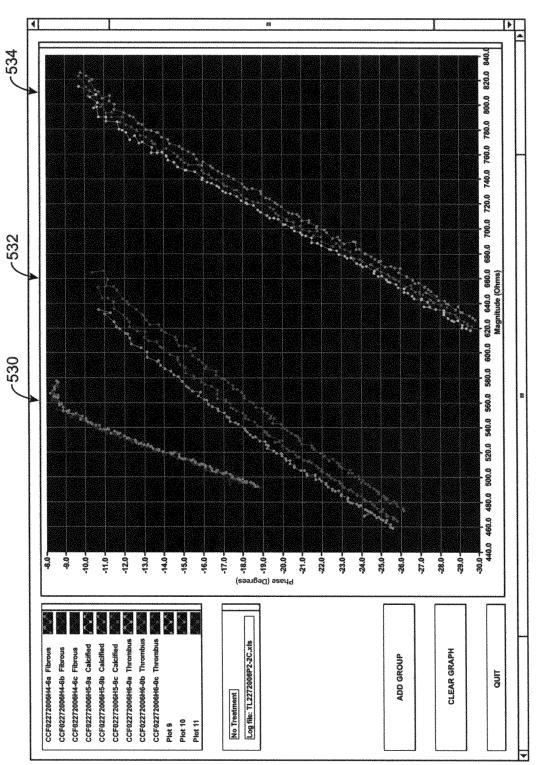


FIG. 29B

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 34 of 47



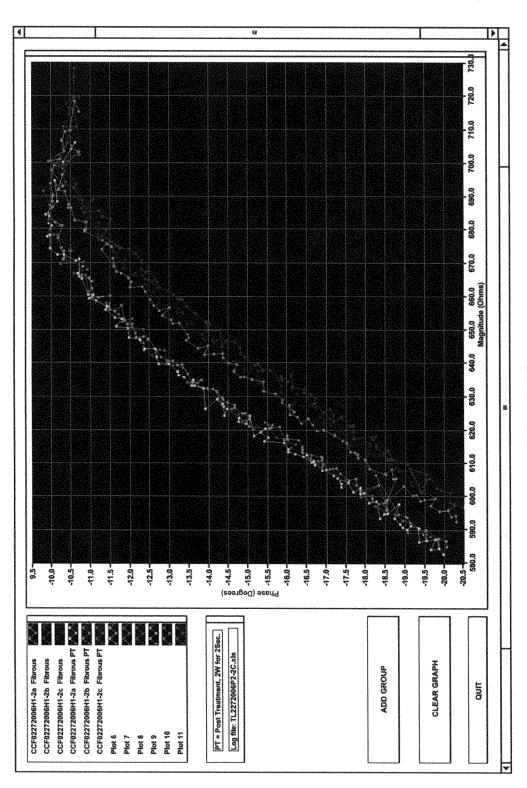
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16.31A

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 36 of 47

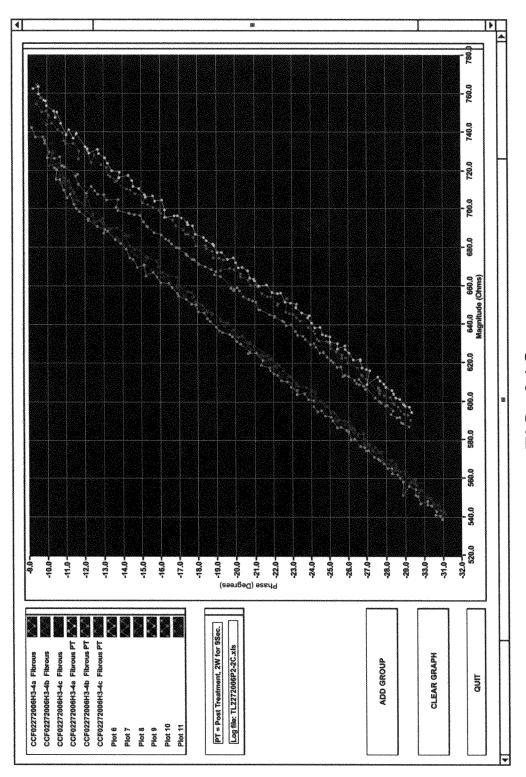
36 / 47



-1G. 31B

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Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 37 of 47



=1G. 31C

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective

Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 38 of 47

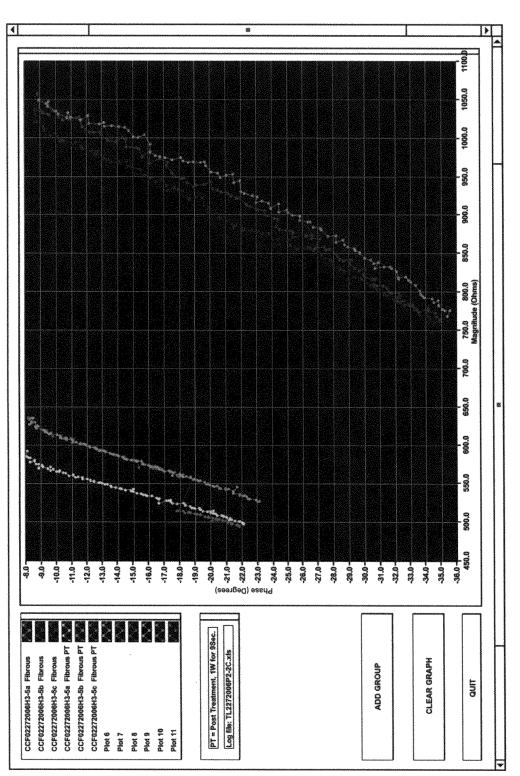


FIG. 310

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective

Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 39 of 47

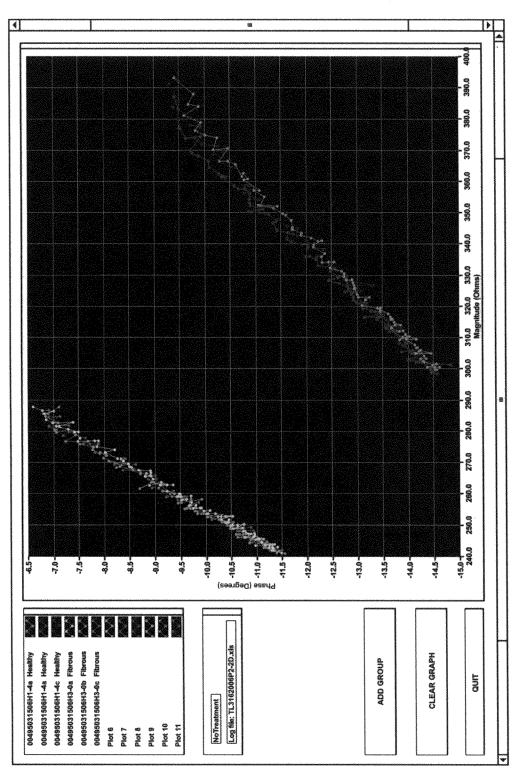


FIG. 31E

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective

Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 40 of 47

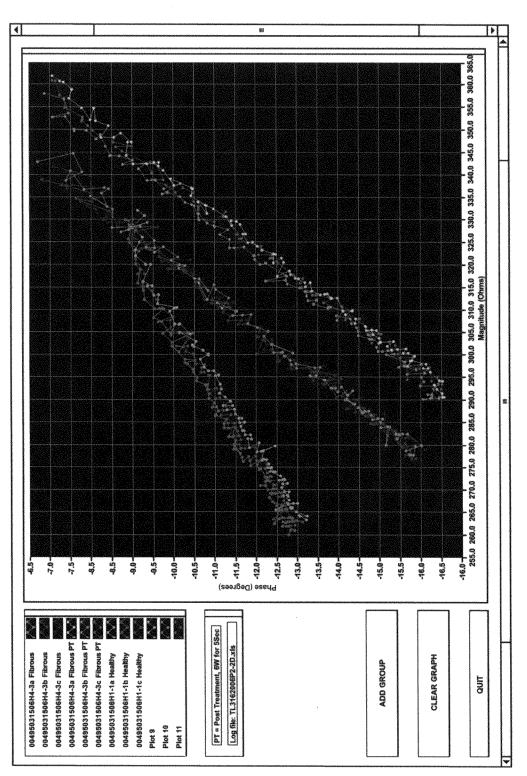


FIG. 31F

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 41 of 47

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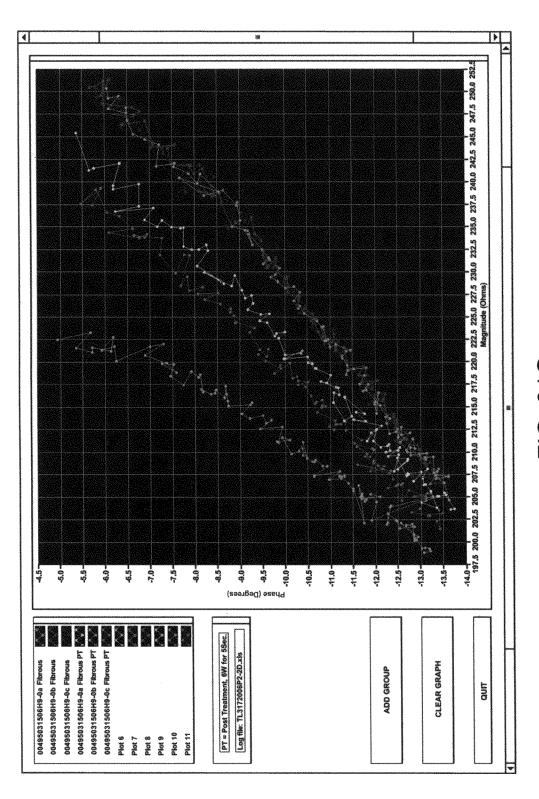
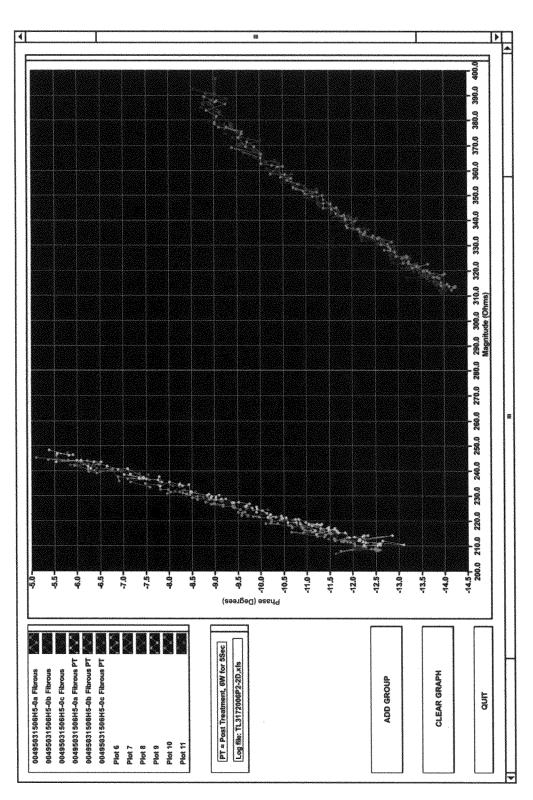


FIG. 31G

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective

Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 42 of 47

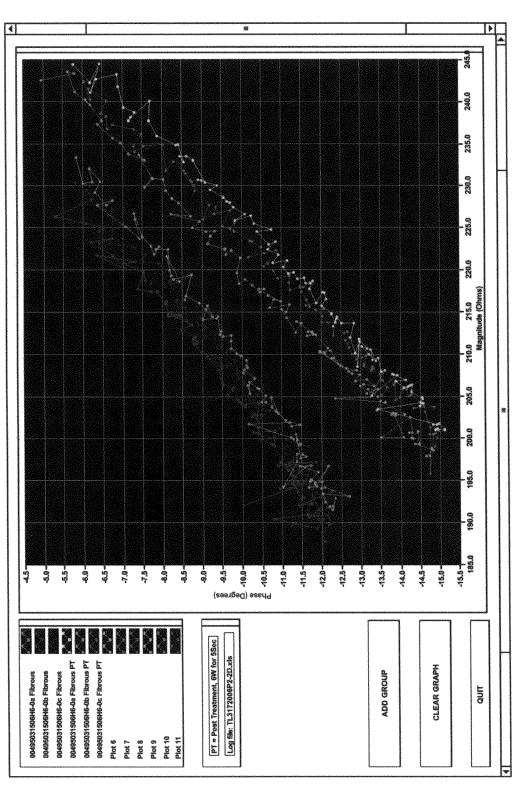
42 / 47



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Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 43 of 47

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10.37 3.37

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective Treatment of Atheroma and Other Target Tisues and/or Structure Replacement Drawing Sheet 44 of 47

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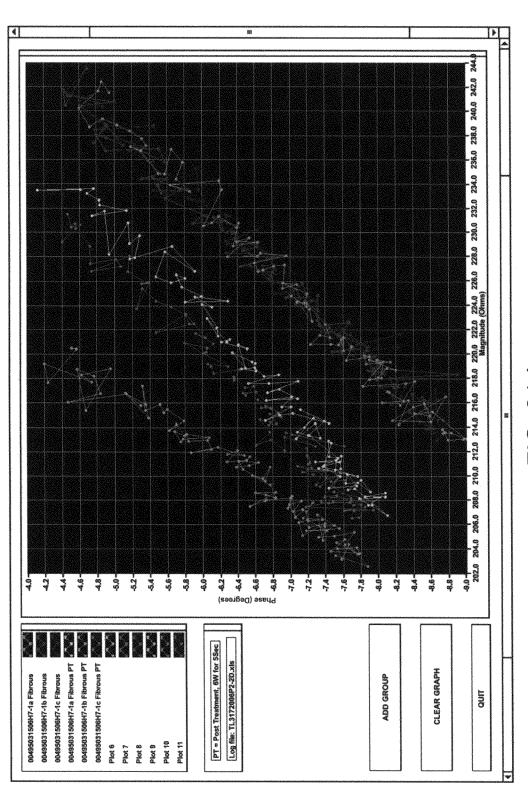


FIG. 31

Application No.: 11/392,231
Applicant: Corbett W. Stone, et al.
Title: Intraluminal Electrical Tissue Characterization and Tuned RF Energy For Selective
Treatment of Atheroma and Other Target Tisues and/or Structure
Replacement Drawing Sheet 45 of 47

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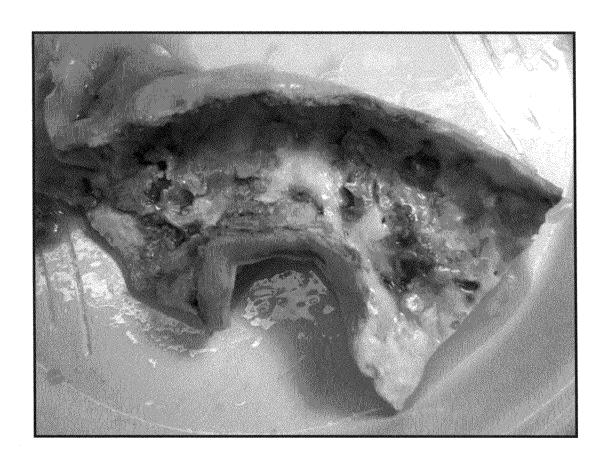
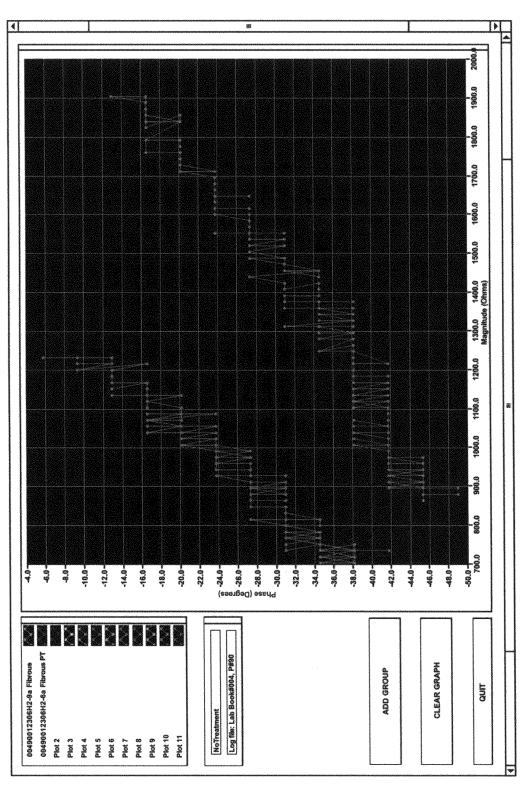


FIG. 32

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Application No.: 11/392,231
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Replacement Drawing Sheet 46 of 47



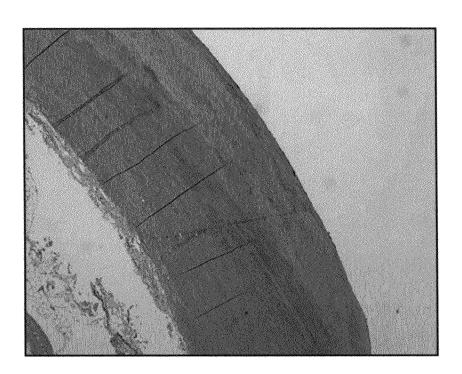


FIG. 32B



FIG. 32C

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